

Appendix 14. Comparison of CDC and Saudi z-score reference for length/height for age for boys.

Age (months)	CDC (-2SD)	KSA (-2SD)	CDC 0	KSA 0	CDC (+2SD)	KSA (+2SD)
0	44.5991197	46.21217	49.9888841	50.57602	55.2274297	56.38376
1	49.8109919	48.98096	54.6622019	53.74355	59.9706438	60.13776
2	53.4706094	51.64881	58.118691	56.81033	63.5087375	63.75504
3	56.2424676	54.1276	60.8429769	59.67986	66.3308208	67.08037
4	58.5241544	56.36948	63.1469322	62.30298	68.7345318	70.02219
5	60.4882436	58.34317	65.1710895	64.65456	70.856582	72.53635
6	62.2270729	60.02363	66.9927474	66.72834	72.7730758	74.6111
7	63.7964469	61.40789	68.6596322	68.53925	74.5314205	76.30225
8	65.2329375	62.54087	70.2035619	70.13326	76.163449	77.73318
9	66.5619477	63.49252	71.6469501	71.56539	77.6917221	79.01737
10	67.8019158	64.35099	73.0062576	72.88995	79.1328971	80.24224
11	68.9666919	65.19634	74.2939756	74.14188	80.4996716	81.4585
12	70.0669731	66.10107	75.5198363	75.33276	81.801979	82.68396
13	71.1112128	67.11347	76.6915872	76.46193	83.0477593	83.91646
14	72.1062195	68.20135	77.8155111	77.5274	84.2434727	85.1396
15	73.0575669	69.30466	78.8967818	78.52913	85.394456	86.33515
16	73.9698825	70.38158	79.9397177	79.47268	86.5051766	87.49405
17	74.8470549	71.40448	80.9479655	80.36989	87.5794172	88.61299
18	75.6923871	72.35592	81.9246362	81.23001	88.6204129	89.68765
19	76.5087115	73.23568	82.8724085	82.06313	89.6309552	90.72782
20	77.2984773	74.05724	83.7936073	82.8812	90.6134723	91.74973
21	78.0638182	74.83355	84.6902653	83.69051	91.5700914	92.75687
22	78.806605	75.57153	85.5641727	84.4917	92.5026865	93.74136
23	79.5284919	76.26687	86.416912	85.27979	93.4129228	94.69071
24	80.230947	76.91632	87.2498922	86.05149	94.3022845	95.59916
25	80.9497666	77.5245	88.0570411	86.8067	95.2092536	96.46542
26	81.6869607	78.09861	88.8378686	87.547	96.1301249	97.2947
27	82.4088633	78.65152	89.5993783	88.27386	97.0222618	98.097
28	83.1168709	79.19872	90.3429504	88.98704	97.8870073	98.88058
29	83.8121642	79.74262	91.0697431	89.68436	98.7256957	99.6473
30	84.4957409	80.28564	91.7807507	90.36747	99.5396594	100.4022
31	85.16845	80.83346	92.4768477	91.04003	100.330238	101.1513
32	85.8310224	81.39027	93.1588256	91.70291	101.098782	101.8968
33	86.4840981	81.95515	93.8274225	92.35574	101.846657	102.6347
34	87.1282515	82.52545	94.4833474	92.99917	102.575244	103.3591
35	87.7640129	83.09519	95.1272995	93.63506	103.285941	104.0702
36	88.3918926	83.6594	95.7599804	94.26514	103.980168	104.7705
37	88.239841	84.22051	95.5952754	94.89258	103.783488	105.4678
38	88.7827333	84.78913	96.2320825	95.52284	104.436774	106.1746
39	89.3177495	85.3765	96.8605984	96.1609	105.084581	106.8989
40	89.8453347	85.98858	97.4813532	96.8083	105.727369	107.6418
41	90.365952	86.62415	98.094849	97.46544	106.365588	108.4025
42	90.8800628	87.27615	98.7015742	98.12821	106.99966	109.1709
43	91.3881377	87.93941	99.3019927	98.7894	107.629994	109.9315
44	91.8906471	88.60797	99.8965499	99.44069	108.256977	110.6683

Source: El Mouzan MI, Shaffi A, Al Salloum A, Alqurashi MM, Al Herbish A, Al Omer A. Z-score growth reference data for Saudi preschool children. Ann Saudi Med 2017; 37(1): 10-15.

Age (months)	CDC (-2SD)	KSA (-2SD)	CDC 0	KSA 0	CDC (+2SD)	KSA (+2SD)
45	92.3880615	89.27336	100.485671	100.0754	108.880973	111.3658
46	92.8808473	89.9267	101.069761	100.689	109.502331	112.0128
47	93.3694655	90.55778	101.649208	101.2785	110.121374	112.6038
48	93.8543684	91.15382	102.22438	101.8398	110.738407	113.1344
49	94.3359988	91.7065	102.795628	102.3732	111.353713	113.6123
50	94.8147871	92.21362	103.363284	102.882	111.967556	114.0581
51	95.2911498	92.67393	103.927662	103.3707	112.580178	114.4862
52	95.765489	93.08694	104.489057	103.8417	113.191804	114.9035
53	96.2381839	93.45528	105.047751	104.2983	113.802634	115.3142
54	96.7096082	93.77944	105.603998	104.7412	114.412859	115.7165
55	97.1801003	94.0603	106.158045	105.1721	115.02264	116.1095
56	97.6499861	94.29928	106.710117	105.5937	115.632126	116.4952
57	98.1195667	94.49361	107.26042	106.0069	116.241446	116.8768
58	98.5891199	94.6468	107.809144	106.4152	116.850713	117.2595
59	99.0588985	94.76972	108.356464	106.8234	117.460021	117.6479

Source: El Mouzan MI, Shaffi A, Al Salloum A, Alqurashi MM, Al Herbish A, Al Omer A. Z-score growth reference data for Saudi preschool children. Ann Saudi Med 2017; 37(1): 10-15.